

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 050158
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Owen Haynes Address Box 981, Artesia, New Mexico
Lessor or Tract Harbold Field Empire State New Mexico
Well No. 1 Sec. 26 T. 17S R. 27E Meridian N.M.P.M. County Eddy
Location 330 ft. {N.} of S Line and 2310 {E.} of W Line of Section 26 Elevation _____
(Derrick floor relative to sea level)The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.

Signed _____

Date March 26, 1951 Title Operator

The summary on this page is for the condition of the well at above date.

Commenced drilling 3-1-51, 19____ Finished drilling 3-21-51, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 391 to 393 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>7"</u>				<u>320</u>		<u>320</u>			
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 1/2"</u>	<u>391'</u>	<u>25</u>			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>Acidized</u>	<u>2000 gal.</u>	<u>3-20-51</u>	<u>391'±-399'</u>	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 399 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 3-21-51, 19____The production for the first 24 hours was 125 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

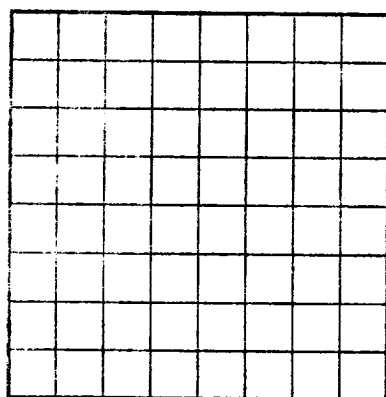
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>5</u>	<u>120</u>		<u>Anhydrite</u>
<u>120</u>	<u>210</u>		<u>Red Bed</u>
<u>210</u>	<u>220</u>		<u>Anhydrite, water</u>
<u>220</u>	<u>265</u>		<u>Red Bed</u>
<u>265</u>	<u>300</u>		<u>Anhydrite</u>
<u>300</u>	<u>320</u>		<u>Red Bed</u>
<u>320</u>	<u>323</u>		<u>Anhydrite, show of oil @ 320</u>
<u>323</u>	<u>327</u>		<u>Red Bed</u>
<u>327</u>	<u>330</u>		<u>Anhydrite</u>
<u>330</u>	<u>345</u>		<u>Anhydrite, broken</u>
<u>345</u>	<u>365</u>		<u>Anhydrite, white</u>
<u>365</u>	<u>367</u>		<u>Red Bed</u>
<u>367</u>	<u>381</u>		<u>Anhydrite</u>
<u>381</u>	<u>391</u>		<u>Anhydrite, broken</u>
<u>391</u>	<u>393</u>		<u>Brown lime, show of oil</u>
<u>391</u>	<u>399</u>		<u>Brown Lime</u>



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LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

Bureau of Land Management

Company _____ Owner _____
 Lessor or Tract _____
 Well No. _____ Sec. _____ T. _____ R. _____
 Location _____ of _____ line and _____ of _____
 Elevation _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Date _____ Signed _____
 Title _____

The summary on this page is for the condition of the well at above date.
 Commenced drilling _____ Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____
 No. 5, from _____ to _____
 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____

CASING RECORD

Casing	Size	Weight	Threads per	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "detached" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "detached" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

MUDGING AND CEMENTING RECORD

Size	Weight	Threads per	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose

PLUGS AND ADAPTERS

Adapter—Material _____
 Plug—Material _____
 Length _____
 Depth _____

SHOOTING RECORD

Size	Weight	Threads per	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose

TOOLS USED

Rotary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.
 Cable tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.
 It gas well, cu. ft. per 24 hours _____
 Rock pressure, lbs. per sq. in. _____
 Gallons gasoline per 1,000 cu. ft. of gas _____
 Gravity, B6 _____
 Put to producing _____, 19____

EMPLOYEES

Driller _____
 Driller _____
 Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	100	100	Surface
100	200	200	Gravel
200	300	300	Sand
300	400	400	Clay
400	500	500	Shale
500	600	600	Limestone
600	700	700	Gypsum
700	800	800	Salt
800	900	900	Oil
900	1000	1000	Gas
1000	1100	1100	Water
1100	1200	1200	Oil
1200	1300	1300	Gas
1300	1400	1400	Water
1400	1500	1500	Oil
1500	1600	1600	Gas
1600	1700	1700	Water
1700	1800	1800	Oil
1800	1900	1900	Gas
1900	2000	2000	Water
2000	2100	2100	Oil
2100	2200	2200	Gas
2200	2300	2300	Water
2300	2400	2400	Oil
2400	2500	2500	Gas
2500	2600	2600	Water
2600	2700	2700	Oil
2700	2800	2800	Gas
2800	2900	2900	Water
2900	3000	3000	Oil
3000	3100	3100	Gas
3100	3200	3200	Water
3200	3300	3300	Oil
3300	3400	3400	Gas
3400	3500	3500	Water
3500	3600	3600	Oil
3600	3700	3700	Gas
3700	3800	3800	Water
3800	3900	3900	Oil
3900	4000	4000	Gas
4000	4100	4100	Water
4100	4200	4200	Oil
4200	4300	4300	Gas
4300	4400	4400	Water
4400	4500	4500	Oil
4500	4600	4600	Gas
4600	4700	4700	Water
4700	4800	4800	Oil
4800	4900	4900	Gas
4900	5000	5000	Water
5000	5100	5100	Oil
5100	5200	5200	Gas
5200	5300	5300	Water
5300	5400	5400	Oil
5400	5500	5500	Gas
5500	5600	5600	Water
5600	5700	5700	Oil
5700	5800	5800	Gas
5800	5900	5900	Water
5900	6000	6000	Oil
6000	6100	6100	Gas
6100	6200	6200	Water
6200	6300	6300	Oil
6300	6400	6400	Gas
6400	6500	6500	Water
6500	6600	6600	Oil
6600	6700	6700	Gas
6700	6800	6800	Water
6800	6900	6900	Oil
6900	7000	7000	Gas
7000	7100	7100	Water
7100	7200	7200	Oil
7200	7300	7300	Gas
7300	7400	7400	Water
7400	7500	7500	Oil
7500	7600	7600	Gas
7600	7700	7700	Water
7700	7800	7800	Oil
7800	7900	7900	Gas
7900	8000	8000	Water
8000	8100	8100	Oil
8100	8200	8200	Gas
8200	8300	8300	Water
8300	8400	8400	Oil
8400	8500	8500	Gas
8500	8600	8600	Water
8600	8700	8700	Oil
8700	8800	8800	Gas
8800	8900	8900	Water
8900	9000	9000	Oil
9000	9100	9100	Gas
9100	9200	9200	Water
9200	9300	9300	Oil
9300	9400	9400	Gas
9400	9500	9500	Water
9500	9600	9600	Oil
9600	9700	9700	Gas
9700	9800	9800	Water
9800	9900	9900	Oil
9900	10000	10000	Gas

FORMATION RECORD—Continued